

1. (Currently Amended) A burner for a heat generator, comprising:
_____ a swirl generator (1) for a combustion-air flow and means for injecting fuel for producing a main flow (6), and;
_____ a combustion chamber (2) arranged downstream of the swirl generator;
~~characterized in that; and~~
_____ a cavity (3) is arranged between the swirl generator (1) and the combustion chamber (2), in which cavity (3) a secondary flow (10) can be produced, ~~and this secondary flow (10) that~~ encloses the main flow (6).
2. (Currently Amended) The burner as claimed in claim 1, ~~characterized in that wherein~~ the cavity (3) has an annular toroidal shape.
3. (Currently Amended) The burner as claimed in claim 1 or 2, ~~characterized in that further comprising~~ injection means for fuel (4) and for combustion air (5) are arranged in the cavity (3).
4. (Currently Amended) The burner as claimed in claim 1, 2 or 3, ~~characterized in that further comprising~~ a mixing section (7) is arranged between the swirl generator (1) and the cavity (3).
5. (Currently Amended) The burner as claimed in ~~one of claims~~ Claim 1 [[to 4]], ~~characterized in that further comprising~~ a mixing section (7) is arranged between the cavity (3) and the combustion chamber (2).
6. (Currently Amended) The burner as claimed in ~~one of claims~~ Claim 1 to 5, ~~characterized in that wherein~~ the secondary flow (10) ~~can~~ is configured and arranged to be used as pilot flame.
7. (Currently Amended) A pilot burner for the burner of a heat generator, the burner ~~comprising having~~ a swirl generator (1) for a combustion-air flow and means for injecting fuel for producing a main flow (6), and a combustion chamber (2) being

arranged downstream of the burner, ~~characterized in that the pilot burner is configured as comprising:~~

~~_____ a cavity (3) which is arranged between the swirl generator (1) and the combustion chamber (3) and in which a secondary flow (10) can be produced.~~

8. (Currently Amended) The pilot burner as claimed in claim 7,
~~characterized in that~~ wherein the cavity (3) has an annular toroidal shape.

9. (Currently Amended) The pilot burner as claimed in claim 7 ~~or 8~~,
~~characterized in that~~ further comprising injection means for fuel (4) and for combustion air (5) ~~are arranged in the cavity (3).~~